



SHL SYN THERM 32L



Technical Data Sheet

Application

SHL SYN THERM 32L is a synthetic type of heat transfer oil including alkyl benzene. It is suitable for various heat transfer media of circulating indirect heating devices. The operating temperature of the heat transfer medium is O.T <300 °C.

For chemical industry heating Asphalt heating furnace

Properties /Benefits

- High Flash point (Provide high fire stability When oil leaked)
- High viscosity index (High operating efficiency with less viscosity change)
- Excellent oxidation & thermal stability
- Excellent solubility in oxidation products

Handling /Package

- Please keep the drums in the indoor space away from direct sunlight.
- Please covered with cover, refer to the MSDS more safety information.
- 200L Drum, 20L Pail

Physical properties

TEST ITEMS	METHOD	RESULTS
Appearance	Visual	Dark yellow
Specific Gravity (15/4°C)	KS M 2002	0.87
Kinematic Viscosity (40°C, cSt)	KS M ISO 3104	32.00
Flash Point (°C)	KS M ISO 1523	206
Pour Point (°C)	KS M ISO 3016	< -45
Water Content (ppm)	KS M ISO 10336	< 50
Auto-ignition point	ASTM D 2155	462
Usage range	-	O.T <300



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Physical Properties

Temperature (°C)	Density (kg/L)	Specific heat (kcal/kg°C)	Thermal conductivity (kcal/m.hr.°C)	Kinematic viscosity (cSt)
0	0.8809	0.4318	0.1144	527.8
20	0.8681	0.4492	0.1132	103.2
40	0.8552	0.4665	0.1120	31.80
60	0.8424	0.4839	0.1108	14.14
80	0.8296	0.5012	0.1096	7.51
100	0.8168	0.5186	0.1084	4.59
120	0.8040	0.5360	0.1072	3.10
140	0.7912	0.5533	0.1061	2.25
160	0.7783	0.5707	0.1049	1.72
180	0.7655	0.5880	0.1037	1.38
200	0.7527	0.6054	0.1025	1.14
220	0.7399	0.6228	0.1013	0.96
240	0.7271	0.6401	0.1001	0.84
260	0.7143	0.6575	0.0989	0.74
280	0.7015	0.6748	0.0977	0.67
300	0.6886	0.6922	0.0965	0.61

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